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PATENT
Docket No.: 19603/607 (CRF D-1657C)

#191
KP
3-26-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Soderlund et al.

Serial No. : 09/428,371

Cnfrm. No. : 4568

Filed : October 28, 1999

For : INSECT SODIUM CHANNELS FROM
INSECTICIDE -SUSCEPTIBLE AND
INSECTICIDE-RESISTANT HOUSE FLIES

Examiner:
Zara

Art Unit:
1635

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AMENDMENT

Commissioner for Patents
Washington, D.C. 20231
Box:

Dear Sir:

In response to the December 4, 2001, office action, please amend the above-identified patent application as follows:

In the Claims:

Please amend claims 41 and 47 as follows:

41. (Twice Amended) A method of screening a chemical agent for the ability of the chemical agent to modify sodium channel function, said method comprising:
introducing an isolated nucleic acid molecule encoding a voltage-sensitive sodium channel of *Musca domestica*, wherein said nucleic acid molecule hybridizes to a nucleic acid molecule having a nucleotide sequence according to bases 1 to 1011 or 1321 to 5030 of SEQ. ID. Nos. 1 or 2 at 42°C, with 5 x SSPC and 50 percent formamide with washing at 65°C with 0.5 x SSPC into a host cell;